

Message

From: Do not reply (VPS Houston) [GT700@v-p-s.com]
Sent: 10/23/2014 8:28:04 PM
To: Robert Love [rlove@aet-tankers.com]
CC: AETSM - Team Atlantic [Team-Atl@aet-tankers.com]; Bobbyson Neo [hjneo@aet-tankers.com]; AETSM - Technical Services & Development - Technical Projects [sm-techsvcs-proj@aet-tankers.com]
Subject: EAGLE STEALTH, FUEL ANALYSIS REPORT, PORT NECHES, 20-OCT-2014, SAMPLE : HOU1425751

To: AMERICAN EAGLE TANKERS, INC.
 Attn: Mr Robert Love, Bunker Manager
 Attn: Atlantic Fleet
 Attn: Mr Bobbyson Neo, Bunker Procurement Executive
 Attn: Technical Projects

Veritas Petroleum Services - Fuel Analysis Report dated: 23-Oct-2014

Vessel: **EAGLE STEALTH (9235000)**

Sample Number	HOU1425751
Product Type	(HFO)
Bunker Port	PORT NECHES
Bunker Date	20-Oct-2014
Sampling Point	SHIP MANIFOLD
Sampling Method	CONTINUOUS DRIP
Sent From	HOUSTON-DOWNTOWN
Date Sent	21-Oct-2014
Arrived at Lab	22-Oct-2014
Supplier	PENINSULA
Loaded From	BUFFALO 402
Quantity per C.Eng.	100

Seal data VPS, SEAL INTACT, 8254405

Related Samples	
Supplier	8254406
Ship	8254407
SHIP MARPOL	8254408
MARPOL	36650514

Receipt Data	Unit	
Source Of Data		B.D.N.
Density @ 15°C	kg/m ³	990.3
Viscosity @ 50°C	mm ² /s	319.9
Sulfur	% m/m	2.35
Volume @ 60°F	bbl	636.000
Quantity	MT	100.000

Tested Parameter	Unit	Result	RMG380
Density @ 15°C	kg/m ³	988.7	991.0
Viscosity @ 50°C	mm ² /s	325.6	380.0
Water	% V/V	0.2	0.5
Micro Carbon Residue	% m/m	13	18
Sulfur	% m/m	2.24	3.50
Total Sediment Potential	% m/m	0.02	0.10
Ash	% m/m	0.06	0.15
Vanadium	mg/kg	156	300
Sodium	mg/kg	20	
Aluminium	mg/kg	14	
Silicon	mg/kg	18	

Iron	mg/kg	22	
Nickel	mg/kg	52	
Calcium	mg/kg	12	
Magnesium	mg/kg	3	
Zinc	mg/kg	3	
Phosphorus	mg/kg	4	
Potassium	mg/kg	2	
Pour Point	°C	LT 24	30
Flash Point	°C	GT 70	60
Acid Number	mg KOH/g	0.44	
Strong Acid Number	mg KOH/g	0.00	

Calculated Values

Aluminium + Silicon	mg/kg	32	80
Net Specific Energy	MJ/kg	40.39	
CCAI (Ignition Quality)	-	851	
Quantity (Weight)	MT	99.825	
Quantity Difference	MT	-0.175	

Note:

LT means Less Than, GT means Greater Than.

Quantity (Weight) is based on BDN Volume, VPS Density and a weight factor of 1.1 kg/m³ (ASTM D1250-80 Table 56).

Specification Comparison :

Results compared with amended ISO 8217:2005 specification RMG380, table 2. Based on this sample the specification is met.

Operational Advice :

Approximate fuel temperatures:

Injection:

140°C for 10 mm²/s
125°C for 15 mm²/s
115°C for 20 mm²/s
105°C for 25 mm²/s

Transfer :

40°C

Best Regards,

On behalf of Veritas Petroleum Services BV

Christian Ryder

Assistant Technical Advisor

End of Report for EAGLE STEALTH

If not properly aligned, please change font to Courier New, size 10.

Reference to part(s) of this report which may lead to misinterpretation is prohibited.

For technical or operational advice or further information on this report please contact your nearest VPS office or contact us directly at

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